BRAIN RESEARCH

VOL. 909 NOS. 1,2 **CONTENTS** **3 AUGUST 2001**

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – EMBASE/Excerpta Medica – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Elsevier BIOBASE/Current Awareness in Biological Sciences. Full text available in ScienceDirect® and Neuroscion.

Announcements

Floyd E. Bloom appointed as Co-Editor-in-Chief of *Brain Research* v

Brain Research Interactive Young Investigator Awards vi

Brain Research Interactive Young Investigator Awards – October 2000 vii

Call for Papers – Gene Expression Patterns viii

Research reports

Expression of endothelial nitric oxide synthase in the ischemic penumbra: relationship to expression of neuronal nitric oxide synthase and vascular endothelial growth factor
R.R. Leker, A. Teichner, H. Ovadia, E. Keshet, E. Reinherz, T. Ben-Hur (Israel) 1

Discovery of a novel compound: insight into mechanisms for acrylamide-induced axonopathy and colchicine-induced apoptotic neuronal cell death
Y. Nakagawa-Yagi, D.-K. Choi, N. Ogane, S.-i. Shimada, M. Seya, T. Momoi, T. Ito, Y. Sakaki (Japan) 8

Neuronal and inducible nitric oxide synthase expression and protein nitration in rat cerebellum after oxygen and glucose deprivation
J. Rodrigo, D. Alonso, A.P. Fernández, J. Serrano, A. Richart, J.C. López, M. Santacana, R. Martínez-Murillo, M.L. Bentura, M. Ghiglione, L.O. Uttenthal (Spain) 20

NXY-059, a novel free radical trapping compound, reduces cortical infarction after permanent focal cerebral ischemia in the rat
Z. Zhao, M. Cheng, K.R. Maples, J.Y. Ma, A.M. Buchan (Canada, USA) 46

NMDA receptor activation results in tyrosine phosphorylation of NMDA receptor subunit 2A(NR2A) and interaction of Pyk2 and Src with NR2A after transient cerebral ischemia and reperfusion
Y. Liu, G. Zhang, C. Gao, X. Hou (China) 51

Characterization of vinpocetine effects on DA and DOPAC release in striatal isolated nerve endings
F. Trejo, V. Nekrassov, M. Sitges (Mexico) 59

Inhibition of prostaglandin synthesis reduces hyperthermic reactions induced by hypocretin-1/orexin A
M. Monda, A. Viggiano, P. Mondola, V. De Luca (Italy) 68

The kappa-opioid antagonist GNTI reduces U50,488-, DAMGO-, and deprivation-induced feeding, but not butorphanol- and neuropeptide Y-induced feeding in rats
D.C. Jewett, M.K. Grace, R.M. Jones, C.J. Billington, P.S. Portoghese, A.S. Levine (USA) 75

Sleep deprivation decreases phase-shift responses of circadian rhythms to light in the mouse: role of serotonergic and metabolic signals
E. Challet, F.W. Turek, M.-A. Laute, O. Van Reeth (Belgium, USA) 81

Activated astrocytes with glycogen accumulation in ischemic penumbra during the early stage of brain infarction: immunohistochemical and electron microscopic studies
H. Kajihara, E. Tsutsumi, A. Kinoshita, J. Nakano, K. Takagi, S. Takeo (Japan) 92

Opposite regulation of body temperature by cholinergic input to the paraventricular nucleus and supraoptic nucleus in rats
A. Takahashi, H. Ishimaru, Y. Ikarashi, E. Kishi, Y. Maruyama (Japan) 102

5-HT_{1B} and 5-HT_{1D} receptors in the human trigeminal ganglion: co-localization with calcitonin gene-related peptide, substance P and nitric oxide synthase
M. Hou, M. Kanje, J. Longmore, J. Tajti, R. Uddman, L. Edvinsson (Sweden, UK, Hungary) 112

Endogenous cannabinoid, 2-arachidonoylglycerol, attenuates naloxone-precipitated withdrawal signs in morphine-dependent mice
T. Yamaguchi, Y. Hagiwara, H. Tanaka, T. Sugiura, K. Waku, Y. Shoyama, S. Watanabe, T. Yamamoto (Japan) 121

Acute melatonin and *para*-chloroamphetamine interactions on pineal, brain and serum serotonin levels as well as stress hormone levels
E.J.P. Manzana, W.-J.A. Chen, T.H. Champney (Guam, USA) 127

Spinal *N*-acetyl-α-linked acidic dipeptidase (NAALADase) inhibition attenuates mechanical allodynia induced by paw carrageenan injection in the rat
T. Yamamoto, N. Nozaki-Taguchi, Y. Sakashita (Japan) 138

(Contents continued inside)

0006-8993(20010803)909:1/2;1-V

BRAIN RESEARCH

VOL. 909 NOS. 1,2 **CONTENTS** **3 AUGUST 2001**

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – EMBASE/Excerpta Medica – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Elsevier BIOBASE/Current Awareness in Biological Sciences. Full text available in ScienceDirect® and Neuroscion.

Announcements

Floyd E. Bloom appointed as Co-Editor-in-Chief of *Brain Research* v

Brain Research Interactive Young Investigator Awards vi

Brain Research Interactive Young Investigator Awards – October 2000 vii

Call for Papers – Gene Expression Patterns viii

Research reports

Expression of endothelial nitric oxide synthase in the ischemic penumbra: relationship to expression of neuronal nitric oxide synthase and vascular endothelial growth factor
R.R. Leker, A. Teichner, H. Ovadia, E. Keshet, E. Reinherz, T. Ben-Hur (Israel) 1

Discovery of a novel compound: insight into mechanisms for acrylamide-induced axonopathy and colchicine-induced apoptotic neuronal cell death
Y. Nakagawa-Yagi, D.-K. Choi, N. Ogane, S.-i. Shimada, M. Seya, T. Momoi, T. Ito, Y. Sakaki (Japan) 8

Neuronal and inducible nitric oxide synthase expression and protein nitration in rat cerebellum after oxygen and glucose deprivation
J. Rodrigo, D. Alonso, A.P. Fernández, J. Serrano, A. Richart, J.C. López, M. Santacana, R. Martínez-Murillo, M.L. Bentura, M. Ghiglione, L.O. Uttenthal (Spain) 20

NXY-059, a novel free radical trapping compound, reduces cortical infarction after permanent focal cerebral ischemia in the rat
Z. Zhao, M. Cheng, K.R. Maples, J.Y. Ma, A.M. Buchan (Canada, USA) 46

NMDA receptor activation results in tyrosine phosphorylation of NMDA receptor subunit 2A(NR2A) and interaction of Pyk2 and Src with NR2A after transient cerebral ischemia and reperfusion
Y. Liu, G. Zhang, C. Gao, X. Hou (China) 51

Characterization of vinpocetine effects on DA and DOPAC release in striatal isolated nerve endings
F. Trejo, V. Nekrassov, M. Sitges (Mexico) 59

Inhibition of prostaglandin synthesis reduces hyperthermic reactions induced by hypocretin-1/orexin A
M. Monda, A. Viggiano, P. Mondola, V. De Luca (Italy) 68

The kappa-opioid antagonist GNTI reduces U50,488-, DAMGO-, and deprivation-induced feeding, but not butorphanol- and neuropeptide Y-induced feeding in rats
D.C. Jewett, M.K. Grace, R.M. Jones, C.J. Billington, P.S. Portoghese, A.S. Levine (USA) 75

Sleep deprivation decreases phase-shift responses of circadian rhythms to light in the mouse: role of serotonergic and metabolic signals
E. Challet, F.W. Turek, M.-A. Laute, O. Van Reeth (Belgium, USA) 81

Activated astrocytes with glycogen accumulation in ischemic penumbra during the early stage of brain infarction: immunohistochemical and electron microscopic studies
H. Kajihara, E. Tsutsumi, A. Kinoshita, J. Nakano, K. Takagi, S. Takeo (Japan) 92

Opposite regulation of body temperature by cholinergic input to the paraventricular nucleus and supraoptic nucleus in rats
A. Takahashi, H. Ishimaru, Y. Ikarashi, E. Kishi, Y. Maruyama (Japan) 102

5-HT_{1B} and 5-HT_{1D} receptors in the human trigeminal ganglion: co-localization with calcitonin gene-related peptide, substance P and nitric oxide synthase
M. Hou, M. Kanje, J. Longmore, J. Tajti, R. Uddman, L. Edvinsson (Sweden, UK, Hungary) 112

Endogenous cannabinoid, 2-arachidonoylglycerol, attenuates naloxone-precipitated withdrawal signs in morphine-dependent mice
T. Yamaguchi, Y. Hagiwara, H. Tanaka, T. Sugiura, K. Waku, Y. Shoyama, S. Watanabe, T. Yamamoto (Japan) 121

Acute melatonin and *para*-chloroamphetamine interactions on pineal, brain and serum serotonin levels as well as stress hormone levels
E.J.P. Manzana, W.-J.A. Chen, T.H. Champney (Guam, USA) 127

Spinal *N*-acetyl-α-linked acidic dipeptidase (NAALADase) inhibition attenuates mechanical allodynia induced by paw carrageenan injection in the rat
T. Yamamoto, N. Nozaki-Taguchi, Y. Sakashita (Japan) 138

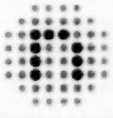
(Contents continued inside)

0006-8993(20010803)909:1/2;1-V

(contents continued)

Calretinin and calbindin D-28k delay the onset of cell death after excitotoxic stimulation in transfected P19 cells
C. D'Orlando, B. Fellay, B. Schwaller, V. Salicio, A. Bloc, V. Gotzos, M.R. Celio (Switzerland) 145
Presenilin-1 and its N-terminal and C-terminal fragments are transported in the sciatic nerve of rat
P. Kasa, H. Papp, M. Pakaski (Hungary) 159
Sildenafil-induced peripheral analgesia and activation of the nitric oxide–cyclic GMP pathway
N.K. Jain, C.S. Patil, A. Singh, S.K. Kulkarni (India) 170
A dopaminergic mechanism is involved in the 'anxiogenic-like' response induced by chronic amphetamine treatment: a behavioral and neurochemical study
L.M. Cancela, A.M. Basso, I.D. Martijena, N.R. Capriles, V.A. Molina (Argentina) 179
Minocycline inhibits microglial activation and protects nigral cells after 6-hydroxydopamine injection into mouse striatum
Y. He, S. Appel, W. Le (USA) 187
Region-specific transcriptional response to chronic nicotine in rat brain
Ö. Konu, J.K. Kane, T. Barrett, M.P. Vawter, R. Chang, J.Z. Ma, D.M. Donovan, B. Sharp, K.G. Becker, M.D. Li (USA) 194

Author index 204


neuroscion
a meeting of minds

To view articles from this journal, visit Neuroscion,
the comprehensive neuroscience information service on the web.

Register today at **www.neuroscion.com**